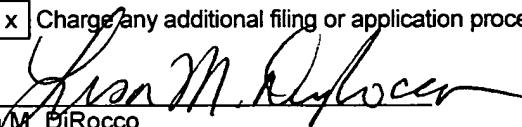




05-27-03

1617/11

<b>AMENDMENT TRANSMITTAL LETTER</b>				Docket No./ AHN-001DV2	
Application No. 09/658969		Filing Date September 11, 2000		Examiner San Ming R. Hui	
Applicant(s): Winfried Edelmann, et al					
Invention: METHODS FOR MODULATING THE ACTIVITY OF MSH5					
<b>TO THE COMMISSIONER FOR PATENTS</b>					
Transmitted herewith in the above-identified application is an Amendment and Response to Office Action, as well as an Amendment Transmittal, Two Month Request for Extension of Time of Under 37 CFR 1.136(a), a Fee Transmittal, a Copy of PTO Form 1449 as filed on January 22, 2001, and copies of 21 references (A1-B9).					
The fee has been calculated and is transmitted as shown below.					
<b>CLAIMS AS AMENDED</b>					
Total Claims	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
8	- 20 =		x		0.00
Independent Claims	4	- 3 =	1	x 84.00	84.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify): Extension for response within second month 410.00					
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:</b> 494.00					
<input checked="" type="checkbox"/> Large Entity <input type="checkbox"/> Small Entity					
<input type="checkbox"/> No additional fee is required for this amendment.					
<input checked="" type="checkbox"/> Please charge Deposit Account No. 12-0080 in the amount of \$ 494.00 A duplicate copy of this sheet is enclosed.					
<input type="checkbox"/> A check in the amount of \$ _____ to cover the filing fee is enclosed.					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge and credit Deposit Account No. 12-0080 as described below. A duplicate copy of this sheet is enclosed.					
<input checked="" type="checkbox"/> Credit any overpayment.					
<input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.					
 Lisa M. DiRocco Attorney Reg. No.: 51,619 LAHIVE & COCKFIELD, LLP 28 State Street Boston, Massachusetts 02109 (617) 227-7400					
Dated: May 23, 2003					
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 355 385 286 US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.					
Dated: May 23, 2003					
Signature  (Lisa M. DiRocco)					

RECEIVED  
TECH CENTER 1600/2900  
MAY 20 2003

MAY 23 2003

TRADEMARK OFFICE 8C

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 494.00)

**Complete if Known**

Application Number	09/658969
Filing Date	September 11, 2000
First Named Inventor	Winfried Edelmann
Examiner Name	San Mind R. Hui
Group Art Unit	1617
Attorney Docket No.	ahn-001dv2

**METHOD OF PAYMENT** (check all that apply)

Check  Credit Card  Money Order  Other  None

Deposit Account

Deposit Account Number 12-0080

Deposit Account Name Lahive & Cockfield, LLP

The Commissioner is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account.

**FEE CALCULATION**

**1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

**SUBTOTAL (1)** (\$ 0.00)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	8	-20** =	<input type="text"/> x <input type="text"/> =	Fee Paid
Independent Claims	4	-3** =	<input type="text"/> x <input type="text"/> 84.00 =	84.00
Multiple Dependent				

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$ 84.00)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Description	Fee Paid
1051	130	2051 65 Surcharge - late filing fee or oath	
1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	
1053	130	1053 130 Non-English specification	
1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
1251	110	2251 55 Extension for reply within first month	
1252	410	2252 205 Extension for reply within second month	410.00
1253	930	2253 465 Extension for reply within third month	
1254	1,450	2254 725 Extension for reply within fourth month	
1255	1,970	2255 985 Extension for reply within fifth month	
1401	320	2401 160 Notice of Appeal	
1402	320	2402 160 Filing a brief in support of an appeal	
1403	280	2403 140 Request for oral hearing	
1451	1,510	1451 1,510 Petition to institute a public use proceeding	
1452	110	2452 55 Petition to revive - unavoidable	
1453	1,300	2453 650 Petition to revive - unintentional	
1501	1,300	2501 650 Utility issue fee (or reissue)	
1502	470	2502 235 Design issue fee	
1503	630	2503 315 Plant issue fee	
1460	130	1460 130 Petitions to the Commissioner	
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
1806	180	1806 180 Submission of Information Disclosure Stmt	
8021	40	8021 40 Recording each patent assignment per property (times number of properties)	
1809	750	2809 375 Filing a submission after final rejection (37 CFR 1.129(e))	
1810	750	2810 375 For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801 375 Request for Continued Examination (RCE)	
1802	900	1802 900 Request for expedited examination of a design application	
Other fee (specify)			

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$ 410.00)

**SUBMITTED BY**

Complete (if applicable)

Name (Print/Type)	Lisa M. DiRocco	Registration No. (Attorney/Agent)	51,619	Telephone	(617) 227-7400
Signature	<i>Lisa M. DiRocco</i>			Date	May 23, 2003

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 355 385 286 US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: May 23, 2003

Signature: *Lisa M. DiRocco* (Lisa M. DiRocco)

RECEIVED  
MAY 30 2003  
U.S. PATENT AND TRADEMARK OFFICE  
1100 L ST. NW  
WASH. DC 20591-0000



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Winfried Edelmann *et al.*

Serial No.: 09/658,969

Filed: September 11, 2000

For: *METHODS FOR MODULATING THE ACTIVITY OF MSH5 (as Amended)*

Attorney Docket No.: AHN-001DV2

Group Art Unit: 1617

Examiner: San Ming R. Hui

#17C

AM  
6-6-03

RECEIVED  
MAY 23 2003  
TECH CENTER 1600/2900

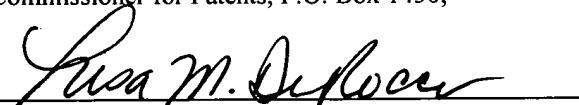
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## Certificate of Express Mailing

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 355 385 286 US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

May 23, 2003  
Date of Signature and of Mail Deposit

By:

  
Lisa M. DiRocco  
Registration No. 51, 619  
Attorney for Applicants

## AMENDMENT AND RESPONSE TO OFFICE ACTION

Dear Sir:

This is in response to the Office Action dated January 15, 2003 (Paper No. 14). A request for the appropriate extension of time in which to respond is being filed concurrently herewith. Responsive to the Office Action, please amend the application as follows: